Review of: "Additive and Multiplicative Operations on Set of Polygonal Numbers"

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Potential competing interests: No potential competing interests to declare.

In this manuscript, the focus on generating k-gonal numbers p(k, n)=n/2[(k-3)(n-1)+(n+1)] for k>2, n>=0 and n/2[(k-3)(n+1)+(n-1)] for k>2, n<0, is introduced. Additive and multiplicative operations on sets of k-gonal numbers are also defined.

Some polygonal numbers are as follows:

Triangular number (k=3) is n(n+1)/2;

Square number (k=4) is n^2;

Pentagonal number (k=5) is n(3n-1)/2;

Hexagonal number (k=6) is n(2n – 1);

Heptagonal number (k=7) is n(5n-3);

Octagonal number (k=8) is n(3n– 2).

I recommend the paper to be published with the minor changes listed below:
Page 2, Line 7: write p(k,n) instead of P(k,n).

Page 2, Lines 9 and 10: replace "forsome" by "for some".

Page 2, Line 10: add a space before Also.

Page 6, Lines -6, -7: write "such that" and "Hence" without text in bold.